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THIN FILM STRUCTURES PROVIDING
STRONG BASAL PLANE GROWTH
ORIENTATION AND MAGNETIC
RECORDING MEDIA COMPRISING
SAME

ABSTRACT OF THE DISCLOSURE

A multiple layer structure comprising a pair of spaced-apart crystalline layers of different materials with an intermediate crystalline layer between and in contact with each of the pair of crystalline layers, the intermediate crystalline layer providing one of the crystalline layers of the pair with a stronger out-of-
5 plane preferred growth orientation than if each of the pair of crystalline layers are in overlying contact. Disclosed and preferred embodiments include perpendicular magnetic recording media comprising the multiple layer structure as an intermediate layer structure beneath a perpendicular magnetic recording layer for strengthening a preferred out-of-plane growth orientation of the latter.